Date: Sat, 16 Jul 94 04:07:52 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #799
To: Info-Hams

Info-Hams Digest Sat, 16 Jul 94 Volume 94 : Issue 799

Today's Topics:

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 15 Jul 1994 21:00:48 -0700
From: nntp.crl.com!crl.crl.com!not-for-mail@decwrl.dec.com
Subject: Computer calculations-Yagi
To: info-hams@ucsd.edu

Would someone with a software program for calculating
antenna measurements be kind enough to give me the dimensions for
a yagi (wide spaced or optimum -- doesn't matter) of two or three
elements with a center frequency of 490 Mhz. I'd prefer the equivalent

of plumber's delight if this is available or at least a simple matching device to avoid expensive coaxial baluns.

Thanks for the help in advance.

Ed. Linskey, N6QLO (elinskey@crl.com)

Date: 15 Jul 1994 13:22:38 GMT
From: news.cerf.net!gopher.sdsc.edu!news.tc.cornell.edu!travelers.mail.cornell.edu!news.kei.com!yeshua.marcam.com!zip.eecs.umich.edu!newsxfer.itd.umich.edu!newsrelay.iastate.edu@ihnp4.ucsd.edu
Subject: Enough already
To: info-hams@ucsd.edu

In article <CsyCKC.1r8@news.Hawaii.Edu>, jeffrey@kahuna.tmc.edu (Jeffrey Herman) writes:
>Read the portion you deleted! He said something like:
>
>`` -40F = -40C would mean F = C ....''.
>
>That's why certain portions of previously posted articles are
>included - the followup refers to the included text. You've got
>to read the included text to understand the followup.

Yes, I saw it. Also, looking back, it was *your* comment in the first place that said you could cancel the -40 from both sides. The original d poster didn't. (He said the formula worked because the scales corr corresponded at -40.) Everyone who jumped on you said of course you could you couldn't just cancel them.

Thus, the only idiot saying that you can cancel them is you! Don't try to brush it off on someone else--like you alwasy do whenever you suddenly realize what you said earlier was wrong!!!!

Date: Fri, 15 Jul 1994 19:36:23 GMT
From: agate!howland.reston.ans.net!spool.mu.edu!cass.ma02.bull.com!claude!zds-oem!news@ames.arpa (Reid Simmons - r.simmons@zds.com)
Subject: Experience with R7
To: info-hams@ucsd.edu

In article <rogjdCsvx8C.DGI@netcom.com> rogjd@netcom.com (Roger Buffington) writes:
>Roger Buffington (rogjd@netcom.com) wrote:
>: Daniel T Senie (dts@world.std.com) wrote:

>
>: : Interesting. I guess the only thing I can disagree with you on is it being
>: : a "well known" problem. I have not experienced any such problems with
>: : my R7, but I have not run high power through it either. I guess the
>: : problem may not be commonly known on this coast...
>
>: A friend of mine (local) who had an R-5 eventually sold it due to the
>: trap problem. He did an informal on-the-air survey of something like 25
>: hams with R-5 whom he worked on the air. All but one had had to request
>: at least one new trap from Cushcraft. But out here in Southern Cal, yes,
>: the problem is well known and widly discussed.
>
>: : >
>

I have had my R7 since they first came out (late '91?). I run a KW into
it on all bands 40 thru 10 (well, except 30, where there IS a power
limitation) and I have never had a trap failure - not even heard of
anyone having a trap failure. Also the SWR curves for my installation
match (or in some cases are better than) those published by Cushcraft.

Reid, NZ8K

Date: 15 Jul 1994 14:58:26 -0500
From: news.cerf.net!gopher.sdsc.edu!nic-nac.CSU.net!charnel.ecst.csuchico.edu!
yeshua.marcam.com!zip.eecs.umich.edu!newsxfer.itd.umich.edu!gatech!
howland.reston.ans.net!math.@@ihnp4.ucsd.edu
Subject: FTP Mod site?
To: info-hams@ucsd.edu

Good Day all!

Ive lost the FTP site at which resides a very complete list of mods for
our rigs. Can anyone mail me that site address? Ive determined that the
742-942 kenwood rigs have filter and preamp modules for extended 450 coverage
and 800 coverage, and Id like to enable them.

Thanks Y'all

Bob AA5PB

Date: Fri, 15 Jul 1994 14:49:06
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!gatech!udel!
news2.sprintlink.net!news.sprintlink.net!nwnexus!olympus.net!olympus.net!

vaughnwt@network.ucsd.edu
Subject: How do you police hams?
To: info-hams@ucsd.edu

>How does the service police itself?

>I recently tuned into a local repeater to hear an exchange of continued
>profanity, attempts to jam signals, music being played over conversations,
>28 WPM code practice, and more by a young kid, some drunk adults, and
>one pot smoking stoner. This all occurred within a 1/2 hour period. The
>offenders even gave their call signs. How do you get these people to
>cease, who has legal authority to enforce laws pertaining to these
>things?

>   Cowabunga, dude......
>   shopson@netcom.com
>   Scott Hopson
>   Costa Mesa, Ca.
>
Didn't you call the Keystone kops right away? Cowabungy, moooooooooo twang.
William Vaughn   vaughnwt@olympus.net "Just plain Bill."

Date: Fri, 15 Jul 1994 23:20:36 GMT
From: ihnp4.ucsd.edu!munnari.oz.au!yoyo.aarnet.edu.au!yarrina.connect.com.au!
news.uwa.edu.au!harbinger.cc.monash.edu.au!news.cs.su.oz.au!metro!ipso!
rwc@network.ucsd.edu
Subject: IPS Daily Report - 15 July 94
To: info-hams@ucsd.edu

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT
ISSUED AT 15/2330Z JULY 1994 BY IPS RADIO AND SPACE SERVICES
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.
SUMMARY FOR 15 JULY AND FORECAST FOR 16 JULY - 18 JULY

IPS Disturbance Warning 18 was issued on 11 July and is current for
interval 15-16 July

1A. SOLAR SUMMARY
Activity: low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 083/024

GOES satellite data for 14 Jul
       Daily Proton Fluence >1 MeV: 1.5E+06

Daily Proton Fluence >10 MeV: 3.9E+04
Daily Electron Fluence >2 MeV: 3.5E+06
X-ray background: A6.8
Fluence (flux accumulation over 24hrs)/ cm2-ster-day.

1B. SOLAR FORECAST

	16 Jul	17 Jul	18 Jul
Activity	Very low	Very low	Very low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number for 16 Jul: 080/020

1C. SOLAR COMMENT
None.

2A. MAGNETIC SUMMARY
Geomagnetic field at Learmonth: quiet to active.

Estimated Indices :	A	K	Observed A Index 14 Jul
Learmonth	12	4332 2223	
Fredericksburg	15		27
Planetary	15		24

Observed Kp for 14 Jul: 1124 5545
2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
16 Jul	15	Quiet to unsettled
17 Jul	15	Quiet to unsettled
18 Jul	10	Quiet to unsettled

2C. MAGNETIC COMMENT
None.

3A. GLOBAL HF PROPAGATION SUMMARY

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
15 Jul	normal	normal	fair-normal

PCA Event : None.
3B. GLOBAL HF PROPAGATION FORECAST

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
16 Jul	normal	normal	normal
17 Jul	normal	normal	normal
18 Jul	normal	normal	normal

3C. GLOBAL HF PROPAGATION COMMENT
None.

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

```
       Observed
DATE   T-index  MUFs
15 Jul    41    near predicted monthly values to 15% enhanced.

Predicted Monthly T-index for July: 30

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST
DATE   T-index  MUFs
16 Jul    35    Near predicted monthly values
17 Jul    35    Near predicted monthly values
18 Jul    35    Near predicted monthly values

4C. AUSTRALIAN REGION COMMENT
None.

--
IPS Regional Warning Centre, Sydney       |IPS Radio and Space Services
RWC Duty Forecaster   tel: +61 2 4148329  |PO Box 5606
Recorded Message      tel: +61 2 4148330  |West Chatswood NSW 2057
email: rwc@ips.oz.au  fax: +61 2 4148331  |AUSTRALIA
```

```
Date: 15 Jul 1994 13:55:14 -0700
From: pacbell.com!amdahl!netcomsv!netcomsv!dodge!not-for-mail@ames.arpa
Subject: Is there an ATV newsgroup?
To: info-hams@ucsd.edu

In article <CssM0y.995@sunsrvr6.cci.com>, James D. Cronin <jdc@cci.com> wrote:
>
>How about it guys?  We got rec.radio.amateur.everything-else...
>
>How about an ATV newsgroup?  Any interest?
>
>73...Jim  N2VNO
>

Definitely interested!!  In the mean time, are there any atv mailing
lists?

tnx & 73
km6wt
```

```
Date: Fri, 15 Jul 94 17:54:11 EDT
From: amusing!aardvark!Joe_A._Walker@uunet.uu.net
Subject: Kenwood TH79A Mods
```

To: info-hams@ucsd.edu

Please send me your impressions of the 79

Send the mail to:

    Joe_A._Walker@macstand.com
  or
    Joe_Walker@macstand.com
** Via the Aardvark Burrow BBS - 1-716-383-1372**

Date: 16 Jul 1994 01:26:20 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!gatech!news-feed-1.peachnet.edu!
news.duke.edu!eff!news.umbc.edu!haven.umd.edu!cville-srv.wam.umd.edu!
usenet@network.ucsd.edu
Subject: need IC-4AT for space flight
To: info-hams@ucsd.edu

The University of Maryland Radio Association, is trying to acquire one or
two ICOM IC-4AT UHF radio units to be used in a satellite data downlink
subsystem

We are aware that production of this model has been discontinued, but we
are interested in this particular model because it fits our requirements.

 It is important that the unit is in (relatively) good condition, has not
undergone extensive abuse and, especially, has not suffered a drop.

Please, if you have a IC-4AT UHF radio and you consider selling it or
donating it for space flight call:

Dimitris A. Geragas
geragas@wam.umd.edu

or

Maurice De Vidts (NE3S)
ceham@w3eax.umd.edu

Date: 15 Jul 94 20:28:44 GMT
From: olivea!spool.mu.edu!howland.reston.ans.net!europa.eng.gtefsd.com!ceylon!
news2.near.net!news.delphi.com!BIX.com!jdow@ames.arpa
Subject: OMNI Directional Yagi!!!
To: info-hams@ucsd.edu

ham@wam.umd.edu (Scott Richard Rosenfeld) writes:

>OK, this idea has been going around in my head for quite some time, so
>here it goes...

>Take a standard beam Yagi, or an electrically steered phased array.

>The rotate either the beam or the array (your choice, will call "antenna"
>from now on) REALLY REALLY fast - so much so that the receiving end
>can't even tell the antenna's spinning.

>Just think! High gain IN ALL DIRECTIONS!

>I know it's flawed, because of that time-averaged thing, but imagine
>a receiver that could do a really good interpolation job, or even just
>a smoothing circuit...

>And without it, you'd need to be rotating the antenna (such that you
>get samples of the carrier) at roughly 2.2 times the carrier freq.
>So for 2 meters, that's about 300 million revs per sec. OK, OK, for a
>physical antenna that would be hard to do. But a phased array? Y not?

>Scott NF3I

>--
>73,   _________   _________ The
>   \ / Long   Original
>Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
> WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles __________| Dipoles! Antenna!

That'd make an EXCELLENT April 1 article. I recommend writing it up. I bet you could take in a major portion of the Ham community with it. <^_->

Let's imagine a strange beam. It has uniform gain over 36 degree angle and receives nothing over the rest of the rotation.

In the absence of "cosmic background" noise is constant. It is relatively unchanging over most of the rotation. Most urban or suburban noise levels are also relatively insensitive to where the antenna is aiming. So that noise exists with out regard to antenna directivity.

Two things WILL vary with aim, however. Powerline static and storm static will vary depending on whether you are pointing at them or not. SO in this case they'd be attenuated 10dB. Signals also will depend on whether you are pointing to them or not. So your signal level drops 10dB. But the signal is what you want to get. ANd your ability to DO something with the signal

depends on its power level. But the scanning antenna has simply reduced the signal level by 10dB. SO your signal to noise ratio drops the same 10dB for most forms of noise.

Worse yet assume the powerline static is positioned 10 degrees off from the signal's location. WIth the postulated antenna you can slide the "cutoff" on the beam pattern over until the static goes away with the signal present. This is a VERY high signal to noise ratio situation if we "neglect" for the moment the other background noise. But if we rotate the antenna we get equal time on signal and noise so we are back into the low signal to noise ratio domain a non-directional antenna would give us.

ALl that said, except for the powerline static postulated, the rotating antenna is basically a "chopper" attenuator on the antenna lead which switches you from a signal plus noise source to a noise only source. It gives a distinct disadvantage in the signal to noise race.
<^_^> Joanne Dow, Amiga Exchange Editor
  jdow@bix.com

Date: Fri, 15 Jul 1994 20:21:22 GMT
From: agate!usenet.ins.cwru.edu!news.csuohio.edu!vmcms.csuohio.edu!R0264@ames.arpa
Subject: Please read: Ham Radio Bootcamp (Long)
To: info-hams@ucsd.edu

In article <Csx1Ls.95G@news.Hawaii.Edu>
jeffrey@kahuna.tmc.edu (Jeffrey Herman) writes:

>
>In article <300om6$bvi@search01.news.aol.com> robb873302@aol.com (RobB873302) writes:
>>HAM RADIO BOOTCAMP
>>.....
>>and even Morse code practice could be covered in such a net. VE's could
>
>Interesting idea. I don't have a copy of the CFR regs for 11M - is
>A2 emission (modulated CW) allowed on there? I'd be happy to give
>code practice sessions on CB if it's legal. But would that be considered
>a broadcast (which I know is prohibited on 11M)?
>
>Jeff NH6IL
>
I'm pretty sure it is illegal in the U.S.A., but I knew a couple of guys who did it anyway before getting their Novice tickets -- it was pretty clumsy the way they did it, transmit by keying the mike and down on AM, and receive on SSB.

Date: 16 Jul 1994 01:06:53 GMT
From: ihnp4.ucsd.edu!agate!spool.mu.edu!news.nd.edu!mac08@network.ucsd.edu
Subject: QSL addresses - please help
To: info-hams@ucsd.edu

I now have the information on n1ran, for those who asked:
     Vincent Salerno
     584 Highway 3A
     Bow, NH 03304

I still need the others below. Does anyone have access to the May CD-ROM
update?

TNX,
Charles
n9sqe
>
> Callsign servers return "no references found":
>
> n1qwg
> kg4an
> ke4krt
> w4ma
> kr4mi
> kc5ebw
> kj5rt
> ab7ad
> kc7bnh
> kc7cli
> aa0qv
> kb0mlz
>
> Callsign servers return bad address:
>
> kd4pvm mail returned from: RT 1 BOX 299, HOPE MILLS, NC 28348
> n7uvh   mail returned from: POB 786, POST FALLS, ID 83854
> wd0fzw mail returned from: 1400 K AVE LOT 35 ELMWOOD TRLR CT,
>   SIOUX FALLS, SD 57104
> n4wnl   mail returned from: 713 PATRICIA LN., OXFORD, AL 36203
>

Date: 15 Jul 94 12:03:59 EDT
From: psinntp!main03!drager.com!landisj@uunet.uu.net

Subject: rec.radio.amatuer.antenna still alive?
To: info-hams@ucsd.edu

I've not seen anything in the rec.radio.amateur.antenna group lately. Has it
been renamed, or do I need to look into a feed problem?
Joe - AA3GN
--
Joe Landis - System & Network Mgr. - North American Drager Co. Telford, PA
landisj@drager.com | uupsi5!main03!landisj | AA3GN@WA3TSW.#EPA.PA.USA
Opinions are mine only, and do not reflect those of my employer.
...Munging Until No Good...

Date: Sat, 16 Jul 1994 01:07:11 GMT
From: ihnp4.ucsd.edu!news.cerf.net!ent-img.com!wb6hqk!bart@network.ucsd.edu
Subject: What sends COMMAS on CW & very high power in Bowie, MD area?
To: info-hams@ucsd.edu

In article <RICHARD_BOLT-110794093910@bolt.gsfc.nasa.gov>,
Lightning Bolt <RICHARD_BOLT@CCMAIL.GSFC.NASA.GOV> wrote:
>One home TV wipes out on all channels when this COMMA machine is on!
>Removes color. Other TVs do not see it. comma & 4 seconds, agn comma.
>(..--..). Not on any ham freq. HF nor 2 nor 6! Abt 15 min at beg. of ever
>hr & 15 min at Half hr.

Can't help with the source but ..--.. is the '?' (question mark) character.
The comma character is --..--

bart

bart@wb6hqk.ampr.org

Date: 15 Jul 1994 14:58:58 -0400
From: ihnp4.ucsd.edu!usc!math.ohio-state.edu!magnus.acs.ohio-state.edu!csn!
jabba.cybernetics.net!not-for-mail@network.ucsd.edu
To: info-hams@ucsd.edu

References <301rr9$6db@cat.cis.Brown.EDU>,
<Anthony_Pelliccio-140794103318@adis-215.adis.brown.edu>,
<303jjg$hee@cat.cis.brown.edu>
Subject : Re: CALL YOUR CONGRESSPERSON!!! (was Re: FCC Delays now at 17 weeks!

In article <303jjg$hee@cat.cis.brown.edu>,
Michael P. Deignan <md@pstc3.pstc.brown.edu> wrote:

>In article <Anthony_Pelliccio-140794103318@adis-215.adis.brown.edu>,
>   Anthony_Pelliccio@brown.edu (Tony Pelliccio) writes:
>
>|> Yes but doesn't the FCC get a cut of that $35.00 you pay?
>
>No, I believe $15 goes to the COLEM and $20 to the local testing
>group to cover expenses.
>
>MD

Just to make it clearer...

There are fees for examination via National Radio Examiners--W5YI...
those are paid to the Test Center Manager in whatever form is
acceptable locally.

Now that the FCC is charging licensing-associated fees, the FCC fees
are paid with check(s)/M.O.s made out to the FCC.

There two fees schedules (and payees) are seperate.

I believe that the monies received by the FCC are deposited into
the U.S. Gov't General Fund.

73/Steve Modena/AB4EL   a TCM in NC   ab4el@Cybernetics.NET

Date: Fri, 15 Jul 1994 20:01:35 GMT
From: news.Hawaii.Edu!kahuna!jeffrey@ames.arpa
To: info-hams@ucsd.edu

References <2vnt9m$9va@network.ucsd.edu>, <1994Jul13.020744.4852@tower>,
<305oh8$1ur3@info2.rus.uni-stuttgart.de>s.
Subject : Re: NTS traffic

> The NTS is an obsolete system for transferring small bits of information
> in an inefficient way. It is primarily of interest to old-time hams.

Then why was a communications emergency declared by the FCC for a
segment of 80M during the South's floods late last week? Who was
passing traffic on 80? NTS? RACES? ARES?

Jeff NH6IL

Date: Fri, 15 Jul 1994 21:52:52 GMT
From: agate!usenet.ins.cwru.edu!ns.mcs.kent.edu!kira.cc.uakron.edu!
malgudi.oar.net!mercury.wright.edu!gracie!ejones@ames.arpa
To: info-hams@ucsd.edu

References <2vs6gk$rm9@cville-srv.wam.umd.edu>, <301ja7$495@wizard.uark.edu>,
<1994Jul14.162950.7248@ve6mgs.ampr.org>i.oar.
Subject : Re: CALL YOUR CONGRESSPERSON!!! (was Re: FCC Delays now at 17 weeks!

> When you *whine* that you don't get that kind of service, and then *whine*
> about paying *anything* for your licensing, I end up *whining* about your
> insolence, eh?
>
> Ciao -- 73 de VE6MGS/Mark -sk-

Unfortunately the "Get something for nothing" attitude is way too
prevalent here in the good ole U.S.A.
--

****
* Ed Jones -- System Administrator | ejones@sdl.psych.wright.edu   *
* Signal Detection Lab | ejones@desire.wright.edu   *
* Department of Psychology | ejones@wsu (Bitnet)   *
* -- *
* Ed Jones -- Graduate Student | This space left blank   *
* Department of Economics | *
* Wright State University | *
****

Date: 15 Jul 1994 08:59:57 -0700
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!gatech!asuvax!chnews!
ornews.intel.com!ornews.intel.com!not-for-mail@network.ucsd.edu
To: info-hams@ucsd.edu

References <9407051514.AA26678@pobox.wellfleet>, <2vuena$3mk@network.ucsd.edu>,
<2vv0vl$198@hplvec.lvld.hp.com>
Subject : Re: which Ringo do I buy?

In article <2vv0vl$198@hplvec.lvld.hp.com> scott@lvld.hp.com (Scott Turner)
writes:
>My Ringo Ranger II works gangbusters. Not because it's a great antenna,
>but because it's up reasonably high.

I've had a Ringo Ranger on top of a 60' tree for about 3 years. It still
outperforms the Isopole on top of another tree. I buy all the Ringos I
can get at swap meets. For a definitive article on "Ring Gamma-Matched,
end-fed half-wave verticals" see the May 1973 or 1974 issue of Ham Radio

magazine. If you can't get a Ringo to work for you then you deserve to
pay for a Diamond or Comet.

--
zardoz@ornews.intel.com WA7LDV from Oregon - The BEAVER state
I speak only for myself. A Honeymoon salad = lettuce alone

End of Info-Hams Digest V94 #799
****